# CLAIM AMENDMENTS

**Claim Amendment Summary**

**Claims pending**

- Before this Amendment: Claims 1-25.
- After this Amendment: Claims 1, and 3-19.

**Non-Elected, Canceled, or Withdrawn claims**: Claims 2, and 20-25.

**Amended claims**: Claims 1 and 13.

**New claims**: None.

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**Claims:**

1. **(Currently Amended)** A method for stylizing video, comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar [~~characteristic~~] color;

receiving an input identifying a group of the three dimensional volumes; and

identifying the group of three dimensional volumes as a single semantic region.

2. **(Canceled)**

**3. (Original)** The method of claim 1, wherein the spatio-temporal segmentation analysis comprises an anisotropic kernel mean shift segmentation procedure.

**4. (Original)** The method of claim 1, wherein the input comprises an interactive user input.

**5. (Original)** The method of claim 1, wherein the three dimensional volumes of contiguous pixels comprise segments.

**6. (Original)** The method of claim 5, wherein the user input comprises outlining a plurality of segments.

**7. (Original)** The method of claim 6, wherein the outlining is performed on a number of keyframes of the video, the number of keyframes being fewer than a total number of frames of the video.

**8. (Original)** The method of claim 7, wherein additional segments on frames of the video other than keyframes are identified by determining a relationship of the additional segments to the segments outlined on the keyframes.

**9. (Original)** The method of claim 8, wherein the relationship comprises at least a portion of the additional segments being enclosed by one or more of the segments outlined on the keyframes.

**10. (Original)** The method of claim 9, wherein the at least a portion comprises at least a majority of pixels of the additional segments.

**11. (Original)** The method of claim 1, further comprising applying a stylization to the single semantic region.

**12. (Original)** The method of claim 11, wherein the stylization comprises a mean shift technique.

**13. (Currently Amended)** A computer-readable medium having computer-executable instructions for stylizing video, the instructions comprising:

performing a spatio-temporal segmentation analysis on the video to identify three dimensional volumes of contiguous pixels having a similar [~~characteristic~~] color;

receiving an input identifying a group of the three dimensional volumes; and

identifying the group of three dimensional volumes as a single semantic region.

**14. (Original)** The computer-readable medium of claim 13, wherein the instructions further comprise deriving a set of edge sheets that represent the surface of the single semantic region and associating the edge sheets with the semantic region.

**15. (Original)** The computer-readable medium of claim 14, further comprising rendering the edge sheets as a curve between the semantic region and another portion of the video.

**16. (Original)** The computer-readable medium of claim 14, wherein a thickness of the edge sheets is determined based on criteria associated with the single semantic region.

**17. (Original)** The computer-readable medium of claim 16, wherein the criteria comprises a position of the edge sheet relative to an arclength of the edge sheet.

**18. (Original)** The computer-readable medium of claim 16, wherein the criteria comprises a duration of existence of the semantic region in the video.

**19. (Original)** The computer-readable medium of claim 16, wherein the criteria comprises a movement of the semantic region in the video.

**20. (Canceled)**

**21. (Canceled)**

**22. (Canceled)**

**23. (Canceled)**

**24. (Canceled)**

**25. (Canceled)**